

Abstract

An organic electro-luminescence (EL) device includes a first electrode formed on a substrate and a second electrode formed to overlap with the first electrode. An organic EL layer is located between the first and second electrodes. A dielectric layer is formed between the second electrode and the EL layer. The dielectric layer contains antioxidative material, formed by a mixture of approximately 50 ~ 75 % of an organic material and approximately 25 ~ 50 % of an metallic powder. The organic electro-luminescence device demonstrates an increased picture quality and increased luminous efficiency.